Commonwealth of Kentucky

Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Title V
AIR QUALITY PERMIT
Issued under 401 KAR 52:020

Permittee Name:	**MCKECHNIE VEHICLE COMPONENTS**
Mailing Address:	**801 John C. Watts Drive, Nicholasville, Kentucky 40356**
Source Name:	**Same as above**
Mailing Address:	**Same as above**
Source Location:	**801 John C. Watts Drive, Nicholasville, Kentucky**
Permit Number:	**V-04-014**
Log Number:	**50686 (F891)**
Review Type:	**Title V, Synthetic Minor**
Source ID #:	**21-113-00017**
Regional Office:	**Frankfort Regional Office** **643 Teton Trail, Suite B** **Frankfort, KY 40601-1758** **(502) 564-3358**
County:	**Jessamine**
Application Complete Date:	**February 2, 1999**
Issuance Date:	**March 2, 2005**
Expiration Date:	**March 2, 2010**

John S. Lyons, Director
Division for Air Quality

Revised 12/09/02

TABLE OF CONTENTS

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

EP 7 (P1-P23) Injection Molding Machines (22 existing, 1 to be added)
Cincinnati Milicron / Toshiba
Average processing rate 60 pounds per hour of plastic pellets per machine
Construction commenced: various dates

APPLICABLE REGULATIONS: None

1. **Operating Limitations:** The rate of materials used in affected facilities shall not produce emissions which exceed the limitations as described in Section B(2) below.

2. **Emission Limitations:** See Section D(3) for source wide limit.

3. **Testing Requirements:** None

4. **Specific Monitoring Requirements:** See Section F.

5. **Specific Record Keeping Requirements:** See Section F.

6. **Specific Reporting Requirements:** See Section F.

7. **Specific Control Equipment Operating Conditions:** N.A.

SECTION B -EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

10 (PB1, PB2) Primecoat Booths 1 & 2
Binks reciprocating HVLP, spray guns
Maximum application rate 20 gallons/hour total
Construction commenced: 1992
Control Equipment: Water Wash, Dry filters and Thermal Oxidizer (see below)

11 (BC1-BC4) Basecoat Booths 1-4
Binks reciprocating HVLP, Electrostatic Guns
Maximum application rate 40 gallons/hour total
Construction commenced: 1992
Control Equipment: Water Wash, Dry filters and Thermal Oxidizer (see below)

12 (CC1-CC4) Clearcoat Booths 1-4
Binks reciprocating HVLP, Electrostatic Guns
Maximum application rate 40 gallons/hour total
Construction commenced: 1992
Control Equipment: Water Wash, Dry filters and Thermal Oxidizer (see below)

Control Equipment for VOC:
Smith Engineering Regenerative Thermal Oxidizer (RTO) Model E1825
8 MM BTU/hr rated input
56,000 scfm
Installed July 1992

Dry Filtration System for PM:
Smith Engineering 3 Stage, Tridem Fabric Filter
Stage 1: 2 pocket cube
Stage 2: 8 pocket TriSac
Stage 3: 8 pocket Syn-pac
Installed July 1992

APPLICABLE REGULATIONS:

40 CFR Part 63, Subpart PPPP—National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products is applicable within the term of this permit. Refer to Section I for Compliance Dates.

401 KAR 59:010, New process operations, is applicable to each affected facility or source, associated with process operations, which are not subject to another emission standard with respect to particulate matter emissions commenced after July 2, 1975.

401 KAR 63:020, Potentially hazardous matter or toxic substances, applicable to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

1. Operating Limitations:

A. Thermal Oxidizer

1. Pursuant to 401 KAR 50:012, Section 1(2) and 401 KAR 50:055, Section 2(5), the permittee shall operate the thermal oxidizer at all times surface coating is being performed.
2. The average combustion chamber temperature in any 3-hour period shall not fall below the combustion temperature limit established during the most recent performance test.

B. Emission Capture Systems

1. Emission capture system that is a Permanent Total Enclosure (PTE)
   a. The direction of the air flow at all times must be into the enclosure; and either
   b. The average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minute; or
   c. The pressure drop across the enclosure must be at least 0.007 inch H2O, as established in Method 204 of appendix M to 40 CFR part 51.
2. Emission capture system that is not a PTE
   a. The average gas volumetric flow rate or duct static pressure in each duct between a capture device and add-on control device inlet in any 3-hour period must not fall below the average volumetric flow rate or duct static pressure limit established for that capture device during the most recent performance test.

C. Particulate control devices (water wash and filters) shall be in place and functional at all times of operation.

D. The rate of materials used in affected facilities shall not produce emissions which exceed the limitations as described in Section B(2) below.

2. Emission Limitations:

401 KAR 59:010, Section 3(2)

A. Particulate matter emissions shall not exceed 2.34 pounds/hour for each paint booth or 7.02 pounds/hour from the three affected facilities.

Compliance Demonstration Method for PM:

1. Compliance is assumed when filters are in place and functional, and the water wash is in operation.
2. See Monitoring Requirements and Record Keeping Requirements.

401 KAR 59:010, Section 3(1)(a)

B. Visible emissions shall not equal or exceed 20% opacity for each affected facility.

Compliance Demonstration Method for opacity:

The permittee shall perform a qualitative visual observation of the opacity of emissions from the RTO exhaust at least once per operating month and maintain a log of the observations. If visible emissions are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of the control equipment for all necessary repairs.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

401 KAR 63:020

C. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants.

Compliance Demonstration Method

The source is in compliance with 401 KAR 63:020 based on the emission rates of toxics given in the application submitted by the source. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:020, Section 3(1)(a), along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

D. See Section D(3) for source wide limit.

3. Testing Requirements:

The permittee shall conduct performance tests on the Thermal Oxidizer and Booth Enclosures within sixty (60) days of the date of issuance of this permit, using EPA Method 25A and EPA Method 204 respectively, or Division approved alternatives, to determine the destruction and capture efficiency for volatile organic compounds.

A. Pursuant to Section VII 2(1) of the Policy Manual of the Division for Air Quality as incorporated by reference in 401 KAR 50:016, Section 1. (1), the permittee shall submit a compliance test protocol at least one month prior to the projected test date.

B. Pursuant to 401 KAR 50:045, Section 5, the Division shall be notified of the actual test date at least ten (10) days prior to the test.

C. The permittee shall record information that is necessary to document emission capture system and add-on control device operating conditions during the test and explain why the conditions represent normal operation.

D. Thermal Oxidizer

The permittee shall use the data collected during the performance test to calculate and record the average combustion temperature. This calculated average combustion temperature is the minimum set point for the thermal oxidizer.

E. Booth Enclosures

For each capture device that is not part of a PTE, establish an operating limit for either the gas volumetric flow rate or duct static pressure, as specified below.

1. During the capture efficiency determination, monitor and record either the gas volumetric flow rate or the duct static pressure for each separate capture device in the emission capture system at least once every 15 minutes during each of the three test runs at a point in the duct between the capture device and the add-on control device inlet.

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

2. Calculate and record the average gas volumetric flow rate or duct static pressure for the three test runs for each capture device. This average gas volumetric flow rate or duct static pressure is the minimum operating limit for that specific capture device.

F. The permittee shall use values for capture efficiencies and destruction efficiency as determined by the most recent performance tests in the compliance demonstration equations of Section D.

G. If deemed necessary, the Cabinet shall require testing for particulate emissions in accordance with 40 CFR 60 Appendix A, Methods 5 and 9.

4. Specific Monitoring Requirements:

A. Thermal Oxidizer and Booth Enclosures

1. The permittee must monitor the temperature in the firebox of the thermal oxidizer or immediately downstream of the firebox before any substantial heat exchange occurs. Compliance shall be demonstrated by monitoring and recording the combustion temperature continuously* and by calculating and recording the 3-hour averages.

   *Continuous parameter monitoring shall be a minimum of recording the measured value at least once every 15 minutes.

2. Emission capture system that is a PTE
   The permittee must monitor the direction of air flow, and either the facial velocity of air through all natural draft openings, or the pressure drop across the enclosure.

3. Emission capture system that is not a PTE
   The permittee must monitor the average gas volumetric flow rate or duct static pressure in each duct between a capture device and the thermal oxidizer. Calculate and record the 3-hour average volumetric flow rate or duct static pressure.

B. Particulate Controls

1. The permittee shall install pressure gages as an indicator of water flow to the booths equipped with the water wash (Emission points 10, 11, and 12). The permittee will then establish a range of pressure readings corresponding to adequate water flow rates for each booth. To establish such a range the permittee may;
   a. Request this information from the spray booth manufacturer;
   b. With the equipment in new and clean condition, perform visual inspection of the water wash, adjust the water flow, and establish upper and lower pressure limits by trial and error. Record all data and observations used to establish such limits, and maintain this data on-site.
2. Readings from the pressure gages shall be taken at a minimum of once each 8 hours of operation.
3. The permittee shall make a verification of the uniformity of the water sheet across the surface of the water wall once each 8 hours of operation.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Resistance to airflow across the dry filtration system shall be monitored by use of a magnahelic gauge, manometer or other means, as an indicator of the need for filter maintenance. Readings from the chosen instrument shall be taken at a minimum of once each 8 hours of operation.

5. Specific Record Keeping Requirements:

A. The permittee shall maintain records of the following information for the thermal oxidizer:
   1. The design and/or manufacturer's specifications.
   2. The operational procedures and preventive maintenance records.
   3. The calibration records for the combustion temperature sensor, validation checks and the subsequent accuracy audits.
   4. Maintain a log of visual inspections of each temperature sensor if redundant temperature sensors are not used.
   5. Maintain a record of the average combustion chamber temperature limit established during the most recent performance test and all relevant supporting data.
   6. The combustion chamber temperature of the thermal oxidizer shall be recorded continuously along with the 3-hour averages.
   7. Record all periods (during coating operations), in which the 3-hour average combustion chamber temperature of the thermal oxidizer is below the temperature limit established during the most recent performance test. Each occurrence shall be considered a deviation from permit requirements. See **6. Specific Reporting Requirements** and Section F: F(6), F(7) and F(8).
   8. During all periods of operation of the thermal oxidizer in which the 3-hour average combustion chamber temperature is below the combustion chamber temperature limit established by the most recent performance test, a daily log of the following information shall be kept:
      a. Whether any air emissions were visible from the facilities associated with the thermal oxidizer.
      b. Whether visible emissions were normal for the process.
      c. The cause of the visible emissions.
      d. Corrective action(s) taken shall be recorded.
   9. If the 3-hour average combustion chamber temperature falls below the operating temperature limit established for the thermal oxidizer by the most recent performance test, then the permittee shall assume a destruction efficiency of zero during the time period of the deviation for the purpose of demonstrating compliance with emission limitations.

B. The permittee shall maintain records to show capture efficiencies remain constant, including the following information:
   1. Maintain records of the initial sensor calibrations, validation checks and accuracy audits.
   2. Maintain a log of the monthly leak checks.
   3. Maintain a log of the visual inspections of the sensor systems (monthly for pressure measurements, quarterly for flow measurements).

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. For each capture system that is a PTE;
   a. Maintain records of the data and documentation used to support a determination that the capture system meets the criteria in Method 204 of appendix M to 40 CFR part 51 for a PTE and has a capture efficiency of 100 percent.
   b. Continuously record the direction of air flow, and either the average facial velocity of air through all natural draft openings, or the pressure drop across the enclosure.
   c. Record all periods (during coating operations) during which the direction of airflow is out of the enclosure. Record all periods during which the average facial velocity of air through the natural draft openings is less than 200 feet per minute; or the pressure drop across the enclosure is less than 0.007 inch H2O. Each such occurrence shall be considered a deviation from permit requirements. See **6. Specific Reporting Requirements** and Section F: F(6), F(7) and F(8).
   d. For emissions reporting, treat the materials used during a deviation on a controlled coating operation as if they were used on an uncontrolled coating operation for the time period of the deviation.

5. For each capture system that is not a PTE;
   a. Maintain records of all data and documentation you used to determine capture efficiency.
   b. The capture efficiencies recorded during testing and the values of the average volumetric flow rates or duct static pressures that will be monitored corresponding to those capture efficiencies.
   c. Continuously record the average gas volumetric flow rate or duct static pressure in each duct between a capture device and the thermal oxidizer. Calculate and record the 3-hour average volumetric flow rate or duct static pressure.
   d. Record all 3-hour periods (during coating operations) during which the average gas volumetric flow rate or duct static pressure in each duct between a capture device and the thermal oxidizer is less than the volumetric flow rate or duct static pressure limit established for that capture device during the most recent performance test. Each occurrence shall be considered a deviation from permit requirements. See **6. Specific Reporting Requirements** and Section F: F(6), F(7) and F(8).
   e. For emissions reporting, treat the materials used during a deviation on a controlled coating operation as if they were used on an uncontrolled coating operation for the time period of the deviation.

C. The permittee shall keep calendar month records of usage of all paints (prime, base, and clear), thinners and cleanup solvents. At the end of each month, VOC and HAP emissions shall be calculated and recorded per **Section D**. These records, as well as purchase orders and invoices for all VOC/HAP containing materials, shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

D. The permittee shall maintain records of the following information for the spray booth particulate controls:
   1. The design and/or manufacturer's specifications.
   2. The operational procedures and preventive maintenance records.
   3. The permittee shall record the pressure gage readings for each spray booth equipped with a water wash.
   4. The permittee shall maintain an inspection log of visual observations of the water wall for each booth equipped with a water wash.
   5. The permittee shall maintain a log of the pressure drop readings across the fabric filters and dates of filter replacements.
   6. With each reading or observation above, note the time, date, and identity of the personnel making the record. If any booths were not in operation during a given time period this fact should be noted.

E. All records shall be retained at the source for a period of five years.

6. Specific Reporting Requirements:

A. The permittee shall identify, record, and submit a written report to the Division's Frankfort Field office for each deviation from the permitted conditions.
   1. For the thermal oxidizer, this is each instance in excess of 3 hours during which the average temperature of the thermal oxidizer remains below the limit established during the most recent measurement of oxidizer efficiency.
   2. For any PTE, this is any period during which the direction of airflow is out of the enclosure, during which the facial velocity of air through the natural draft openings is less than 200 feet per minute, or during which the pressure drop across the enclosure is less than 0.007 inch H2O.
   3. For any enclosure that is not a PTE, this is any 3-hour period during which the average gas volumetric flow rate or duct static pressure in each duct between a capture device and the thermal oxidizer is less than the volumetric flow rate or duct static pressure limit established for that capture device during the most recent performance test.

B. If no deviations occur during a particular 6-month period, the permittee shall state this in the semi-annual report required by General Condition F(6).

7. Specific Control Equipment Operating Conditions:

A. Thermal Oxidizer
   1. The permittee shall install, calibrate, maintain, and operate in accordance with manufacturer's specifications a temperature-monitoring device equipped with a continuous recorder in the firebox of the thermal oxidizer or in the duct immediately downstream of the firebox before any substantial heat exchange occurs.
   2. Use a temperature sensor with a measurement sensitivity of 5 degrees Fahrenheit or 1.0 percent of the temperature value, whichever is larger.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Before using the sensor for the first time or when relocating or replacing the sensor, perform a validation check by comparing the sensor output to a calibrated temperature measurement device or by comparing the sensor output to a simulated temperature.
4. Conduct an accuracy audit every quarter and after every deviation. Accuracy audit methods include comparisons of sensor output to redundant temperature sensors, to calibrated temperature measurement devices, or to temperature simulation devices.
5. Conduct a visual inspection of each sensor every quarter if redundant temperature sensors are not used.

B. Booth Enclosures

Capture Efficiency Monitoring with Flow Measurements

Each flow measurement device must meet the following requirements:

1. Locate a flow sensor in a position that provides a representative flow measurement in the duct from each capture device in the emission capture system to the add-on control device.
2. Use a flow sensor with an accuracy of at least 10 percent of the flow.
3. Perform an initial sensor calibration in accordance with the manufacturer's requirements.
4. Perform a validation check before initial use or upon relocation or replacement of a sensor. Validation checks include comparison of sensor values with electronic signal simulations or via relative accuracy testing.
5. Conduct an accuracy audit every quarter and after every deviation. Accuracy audit methods include comparisons of sensor values with electronic signal simulations or via relative accuracy testing.
6. Perform leak checks monthly.
7. Perform visual inspections of the sensor system quarterly if there is no redundant sensor.

Capture Efficiency Monitoring with Pressure Drop Measurements

Each pressure drop measurement device must meet the following requirements:

1. Locate the pressure sensor(s) in or as close as possible to a position that provides a representative measurement of the pressure drop across each opening monitored.
2. Use a pressure sensor with an accuracy of at least 0.5 inches of water column or 5 percent of the measured value, whichever is larger.
3. Perform an initial calibration of the sensor according to the manufacturer's requirements.
4. Conduct a validation check before initial operation or upon relocation or replacement of a sensor. Validation checks include comparison of sensor values to calibrated pressure measurement devices or to pressure simulation using calibrated pressure sources.
5. Conduct accuracy audits every quarter and after every deviation. Accuracy audits include comparison of sensor values to calibrated pressure measurement devices or to pressure simulation using calibrated pressure sources.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

6. Perform monthly leak checks on pressure connections. A pressure of at least 1.0 inches of water column to the connection must yield a stable sensor result for at least 15 seconds.
7. Perform a visual inspection of the sensor at least monthly if there is no redundant sensor.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

9 (P1A) P-1 Paint Booth (Mask)
Manual HVLP Gun
Maximum application rate 0.83 gallons/hour total
Construction commenced: 1989
Control Equipment: Dry filters

13 (MP1-MP7) Mask Paint Booth (Decko)
Manual HVLP Gun
Maximum application rate 5.0 gallons/hour total
Construction commenced: 1989
Control Equipment: Dry filters

APPLICABLE REGULATIONS: See Group Requirements.

1. Operating Limitations: See Group Requirements.

2. Emission Limitations:

A. 401 KAR 59:010, Section 3(2)
Particulate matter emissions shall not exceed 2.34 pounds/hour for each paint booth.
Compliance Demonstration Method for PM:
1. Compliance is assumed when filters are in place and functional.
2. See Monitoring Requirements and Record Keeping Requirements.

B. See Group Requirements.

3. Testing Requirements: See Group Requirements.

4. Specific Monitoring Requirements:
Resistance to airflow across the booth filters shall be monitored by use of a magnahelic gauge, manometer or other means, as an indicator of the need for filter maintenance. Readings from the chosen instrument shall be taken at a minimum of once each 8 hours of operation.

5. Specific Record Keeping Requirements:

A. The permittee shall maintain a log of the pressure drop readings across the fabric filters, including the time, date, identity of the personnel making the record, and dates of filter replacements. For any booth that is not in operation on a given date, this fact should also be noted.

B. See Group Requirements.

6. Specific Reporting Requirements: See Group Requirements.

7. Specific Control Equipment Operating Conditions: None

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

28 (COE-P) Chain-on-Edge (COE)
Prime Coat Booth
Maximum application rate 0.81 gallons/hour
Construction commenced: March 1998
Control Equipment: Dry filters

29 (COE-B) Chain-on-Edge (COE)
Base Coat Booth
Maximum application rate 0.81 gallons/hour
Construction commenced: March 1998
Control Equipment: Dry filters

30 (COE-C) Chain-on-Edge (COE)
Clear Coat Booth
Maximum application rate 0.81 gallons/hour
Construction commenced: March 1998
Control Equipment: Dry filters

APPLICABLE REGULATIONS: See Group Requirements.

1. Operating Limitations: See Group Requirements.

2. Emission Limitations:

A. 401 KAR 59:010, Section 3(2)
Particulate matter emissions shall not exceed 2.34 pounds/hour for each paint booth.
Compliance Demonstration Method for PM:
1. Compliance is assumed when filters are in place and functional.
2. See Record Keeping Requirements and Specific Control Equipment Operating Conditions.

B. See Group Requirements.

3. Testing Requirements: See Group Requirements.

4. Specific Monitoring Requirements: None

5. Specific Record Keeping Requirements:

A. The permittee shall maintain a log of filter replacements including the date, identity of the personnel making the record, and whether the booth operation had been shut down by the automated system or not. For any booth that is not in operation on a given date, this fact should also be noted.

B. See Group Requirements.

6. Specific Reporting Requirements: See Group Requirements.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. Specific Control Equipment Operating Conditions:

Resistance to the flow across the dry filters will be monitored continuously by the use of magnahelic gauges. As the filters become clogged, an automated system increases power to the exhaust fans to maintain a constant pressure drop across the filters. When a given fan reaches 100% power consumption, the spraying operation in that booth should automatically shut down and the filters must be changed.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Group Requirements for Uncontrolled Spray Booths EP9, EP13, EP28, EP29 and EP30.

APPLICABLE REGULATIONS:
40 CFR Part 63, Subpart PPPP—National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products is applicable within the term of this permit. Refer to Section I for Compliance Dates.

401 KAR 59:010, New process operations, is applicable to each affected facility or source, associated with process operations, which are not subject to another emission standard with respect to particulate matter emissions commenced after July 2, 1975.

401 KAR 63:020, Potentially hazardous matter or toxic substances, applicable to each affected facility which emits or may emit potentially hazardous matter or toxic substances.

1. **Operating Limitations:**
   A. Particulate filters shall be in place and functional at all times of operation.

   B. The rate of materials used in affected facilities shall not produce emissions which exceed the limitations as described in Section B(2) below.

2. **Emission Limitations:**
   401 KAR 59:010, Section 3(1)(a)
   A. Visible emissions shall not equal or exceed 20% opacity for each affected facility.
   Compliance Demonstration Method for opacity:
   The permittee shall perform a qualitative visual observation of the opacity of emissions from the roof top vents at least once per operating month and maintain a log of the observations. If visible emissions from the vents are seen (not including condensed water vapor within the plume), then the opacity shall be determined by Reference Method 9. If emissions are in excess of the applicable opacity limit, then an inspection shall be initiated of control equipment for all necessary repairs.

   401 KAR 63:020
   B. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants.
   Compliance Demonstration Method
   The source is in compliance with 401 KAR 63:020 based on the emission rates of toxics given in the application submitted by the source. If the source alters process rates, material formulations, or any other factor that would result in an increase of toxic emissions or the addition of toxic emissions not previously evaluated by the Division, the source shall submit the appropriate application forms pursuant to 401 KAR 52:020, Section 3(1)(a), along with modeling to show that the facility will remain in compliance with 401 KAR 63:020.

   C. See Section D(3) for source wide limit.

REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:**
If deemed necessary, the Cabinet shall require testing for particulate emissions in accordance with 40 CFR 60 Appendix A, Methods 5 and 9.

4. **Specific Monitoring Requirements:** None

5. **Specific Record Keeping Requirements:**

A. The permittee shall keep calendar month records of usage of all paints (prime, base, and clear), thinners and cleanup solvents. At the end of each month, VOC and HAP emissions shall be calculated and recorded per **Section D**. These records, as well as purchase orders and invoices for all VOC/HAP containing materials, shall be made available for inspection upon request by any duly authorized representatives of the Division for Air Quality.

B. All records shall be retained at the source for a period of five years.

6. **Specific Reporting Requirements:** See Section F.

7. **Specific Control Equipment Operating Conditions:** None

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

33a (-) Chrome Plating Process consisting of the following tanks:
Pre-etch, Etch, Neutralizer, Pre-Activator, Activator, Accelerator, Electroless Copper, Acid Copper Strike, Acid Copper Plate, Acid Activator, Semi-bright Nickel, Bright Nickel, Microporous Nickel, Chrome Plate, Chrome Strip and Nitric Strip

Tank #38-Chrome Plating, rectifier capacity 20,000 amps

Construction commenced: May 1999

Control Equipment for the PM emissions:
Monitoring of surface tension at the chromium anodizing bath, foam blanket
Composite mesh pad/packed-bed fume scrubber

APPLICABLE REGULATIONS:
40 CFR 63, Subpart N—National Emission Standards for Chromium Emissions from Hard and decorative Chromium Electroplating and Chromium Anodizing Tanks

401 KAR 63:020, Potentially hazardous matter or toxic substances, applies to residual chromium emissions following application of MACT.

401 KAR 59:010, New process operations, is applicable to each affected facility or source, associated with process operations, which are not subject to another emission standard with respect to particulate matter emissions commenced after July 2, 1975.

1. Operating Limitations:

§63.342(d)(2)

A. If a chemical fume suppressant containing a wetting agent is used, the surface tension of the electroplating or anodizing bath contained within the affected source shall not exceed 45 dynes per centimeter (dynes/cm) as measured with a stalagmometer, or 35 dynes/cm as measured with a tensiometer, at any time during operation of the tank.

§63.342(f)

B. Work practice standards:
   1. At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the operation and maintenance plan described in 5(C) of this section.
   2. Malfunctions shall be corrected as soon as practicable after their occurrence in accordance with the operation and maintenance plan required by paragraph 3 of §63.342(f).

2. Emission Limitations:

40 CFR 63 Subpart N, §63.342(d)(1)

A. The concentration of total chromium in the exhaust gas stream discharged to the atmosphere shall not exceed 0.01 mg/dscm ($4.4x10^{-6}$ gr/dscf).

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method
The affected source shall be considered to meet this limit if operated according to the conditions set forth in **1. Operating Limitations** (A) & (B), above.

401 KAR 63:020

B. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants.
Compliance Demonstration Method
See **3. Testing Requirements** (B).

401 KAR 59:010

C. 401 KAR 59:010
(1) Section 3(1)(a) limits visible emissions from each stack to less than 20% opacity.
(2) Section 3(2) limits emissions of particulate matter to 2.34 lbs/hr.
Compliance Demonstration Method
Compliance with 40 CFR 63, Subpart N is sufficient to show compliance with 59:010.

3. Testing Requirements:

401 KAR 63:020

A. Within 180 days of the issuance of this permit, the permittee will conduct performance tests to determine hexavalent chromium emissions using EPA test Methods 306 or 306A as described by §63.344(c)(1). Within 90 days following the performance test, the permittee shall use the results from the performance test in conjunction with an EPA approved dispersion modeling program, (Screen3, ISCST3, Aermod) to show compliance with 63:020.

B. Should the performance test show that the source is not in compliance with 63:020, the permittee will operate according to **8. Alternate Operating Scenarios**. Results of the performance test will then be used to establish the differential pressure for the scrubber as a site specific operating parameter per §63.344(d).

4. Specific Monitoring Requirements:

Monitoring Schedule, Plating Tank: §63.343(c)(5)(ii)

A. Initially the surface tension shall be measured once every 4 hours during operation of the tank with a stalagmometer or a tensiometer as specified in Method 306B, Appendix A of 40 CFR63 Subpart N.

B. The time between monitoring can be increased if there have been no exceedances. The surface tension shall be measured once every 4 hours of tank operation for the first 40 hours of tank operation after initial startup. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 8 hours of tank operation. Once there are no exceedances during another 40 hours of tank operation, surface tension measurement may be conducted once every 40 hours of tank operation on an ongoing basis, until an exceedance occurs. The minimum frequency of monitoring allowed is once every 40 hours of tank operation.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

C. Once an exceedance occurs as indicated through surface tension monitoring, the original monitoring schedule of once every 4 hours must be resumed. A subsequent decrease in frequency shall follow the schedule laid out in (B) above.

5. **Specific Recordkeeping Requirements:** §63.342(f)(3)(v)

Operation and maintenance plan

A. The permittee shall prepare an operation and maintenance plan to be implemented within 60 days of issuance of this permit. The plan shall include the following elements:
   1. The plan shall specify the operation and maintenance criteria for the affected source, the add-on air pollution control device and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment;
   2. The plan shall incorporate the work practice standards for that device or monitoring equipment, as identified in Table 1 of §63.342;
   3. The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and,
   4. The plan shall include a systematic procedure for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions.

B. If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the permittee shall revise the operation and maintenance plan **within 45 days** after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective action for such events.

C. If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan, the permittee shall record the actions taken for that event and shall report by phone such actions **within 2 working days** after commencing actions inconsistent with the plan. This report shall be followed by a letter **within 7 working days** after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with the Division.

D. To satisfy the requirements to provide an operating and maintenance plan, the permittee may use applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements of this section.

E. Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Division, which may include, but is not limited to, monitoring results; review of the operation and maintenance plan, procedures, and records; and inspection of the source.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

F. Based on the results of a determination made under paragraph 2(i) of §63.342(f), the Division may require that the permittee make changes to the operation and maintenance plan. Revisions may be required if the Division finds that the plan:
   1. Does not address a malfunction that has occurred;
   2. Fails to provide for the operation of the affected source, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or
   3. Does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable.

G. The permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Division for the life of the affected source or until the source is no longer subject to the provisions of Chapter 63, Subpart N. In addition, if the operation and maintenance plan is revised, the permittee shall keep previous (i.e. superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by the Division for a period of 5 years after each revision to the plan.

H. Additional Records: §63.346(b)
   1. Maintenance performed on the affected source, any add-on air pollution control, or on monitoring equipment;
   2. Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control, and monitoring equipment;
   3. Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan;
   4. Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan;
   5. Test reports documenting results of all performance tests;
   6. All measurements as may be necessary to determine the conditions of performance tests;
   7. Records of monitoring data required by **4. Specific Monitoring Requirements** that are use to demonstrate compliance with 40 CFR63 Subpart N, including the date and time the data are collected;
   8. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control, or monitoring equipment;
   9. The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control, or monitoring equipment;
   10. The total process operating time of the affected source during the reporting period;
   11. Records of the date and time that fume suppressants are added to the electroplating or anodizing bath;

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

12. Documentation supporting the notifications and reports required by Part 6. **Specific Reporting Requirements**.

6. Specific Reporting Requirements: §63.347

A. **Methods of Reporting:**

Reports may be sent by U.S. mail, fax, another courier, or, if acceptable to both the permittee and the Division, by electronic media.

1. Submittals sent by U.S. mail shall be postmarked on or before the specified date.
2. Submittals sent by other methods shall be received by the Division on or before the specified date.

B. **Ongoing Compliance Status Reports:**

The permittee shall prepare a summary report to document the ongoing compliance status of the affected source.

1. If there are no exceedances, the report shall be completed **annually** and retained on site, and made available to the Division upon request.
2. If the following two conditions are met, **semiannual** reports shall be completed and submitted to the Division's Frankfort Regional Office:
   a) The total duration of excess emissions (as indicated by the monitoring data collected by the permittee in accordance with **4. Specific Monitoring Requirements**, is 1 percent or greater of the total operating time for the reporting period; and
   b) The total duration of malfunctions of the air pollution control device and monitoring equipment is 5 percent or greater of the total operating time.
3. The Division may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the source.
4. A permittee currently required to submit ongoing compliance status reports on a semiannual or more frequent basis, or that is required to submit the annual report instead of retaining it at the site, may change to the requirements in B.1 above if the all of the following conditions are met:
   a) For 1 full year, the ongoing compliance status reports demonstrate that the affected source is in compliance with the relevant emission limit;
   b) The permittee continues to comply with all applicable recordkeeping and monitoring requirements;
   c) The Division does not object to a reduced reporting frequency for the affected source.
   d) Procedures for reducing frequency and submittals of reports can be found in paragraphs §63.347 (h)(3)(ii) and (iii)**.**

5. **Contents of Ongoing Compliance Status Reports:**
   a) The company name and address of the affected source;
   b) An identification of the operating parameter that is monitored for compliance determination;

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c) The relevant emission limitation for the affected source, and the operating parameter value, or range of values, that correspond to compliance with this emission limitation;
d) The beginning and ending dates of the reporting period;
e) A description of the type of process performed in the affected source;
f) The total operating time of the affected source during the reporting period;
g) A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes;
h) A certification by a responsible official, as defined in §63.2, that the work practice standards in §63.342(f) were followed in accordance with the operation and maintenance plan for the source;
i) If the operation and maintenance plan required by §63.342(f)(3) was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report required by §63.342(f)(3)(iv) documenting that the operation and maintenance plan was not followed;
j) A description of any changes in monitoring, processes, or controls since the last reporting period;
k) The name, title, and signature of the responsible official who is certifying the accuracy of the report; and
l) The date of the report

7. Specific Control Equipment Operating Conditions: See Section E.

8. Alternate Operating Scenarios:

401 KAR 63:020

The scrubber shall be in place and functional at all times of operation.

Operating Limitations:

A. Pressure taps shall be installed at any of the following locations:
1. At the inlet and outlet of the control system. The inlet tap should be installed in the ductwork just prior to the control device and the corresponding outlet pressure tap should be installed on the outlet side of the control device prior to the blower or on the downstream side of the blower;
2. On each side of the packed bed within the control system or on each side of each mesh pad within the control system; or
3. On the front side of the first mesh pad and back side of the last mesh pad within the control system.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

B. Pressure taps shall be sited at locations that are:
   1. Free from pluggage as possible and away from any flow disturbances such as cyclonic demisters.
   2. Situated such that no air infiltration at measurement site will occur that could bias the measurement.

C. Pressure taps shall be constructed of either polyethylene, polybutylene, or other nonreactive materials.

D. Nonreactive plastic tubing shall be used to connect the pressure taps to the device used to measure pressure drop.

E. Any of the following pressure gauges can be used to monitor pressure drop: a magnehelic gauge, an inclined manometer, or a ''U'' tube manometer.

F. Prior to connecting any pressure lines to the pressure gauge(s), each gauge should be zeroed. No calibration of the pressure gauges is required.

Specific Monitoring Requirements:

Monitoring, Scrubber: 401 KAR 63:020

A. Weekly. Record the pressure drop across the unit.

B. Once per quarter. Visually inspect device to ensure there is proper drainage, no chromic acid buildup on the packed beds, and no evidence of chemical attack on the structural integrity of the device.

C. Once per quarter. Visually inspect back portion of the chevron blade mist eliminator to ensure that it is dry and there is no breakthrough of chromic acid mist.

D. Once per quarter. Visually inspect ductwork from tank or tanks to the control device to ensure there are no leaks.

E. Add fresh makeup water to the top of the packed bed. Whenever makeup is added.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	Description	Generally Applicable Regulation
1.	EP 23 Superior Natural gas-fired boiler for Parts Washer 4.1 mmBTU/hr Constructed 1990	401 KAR 59:015
2.	EP 32 Rite 1050S Natural gas-fired boiler 7.91 mmBTU/hr Constructed 1999	401 KAR 59:015
3.	Paint Rack Cleaner	401 KAR 59:010
4.	Wastewater Treatment	N/A
5.	Parts Washer for C-O-E Spray Booths	N/A
6.	Cooling Towers	N/A
7.	Pellet Dryers (2)	401 KAR 59:010
8.	Grinders	401 KAR 59:010
9.	Intermediate Storage Bins (3)	401 KAR 59:010
10.	Storage Silos	401 KAR 59:010
11.	P1 & P3 Mask Cleaners	N/A
12.	5 Stage Washer (phosphate solution and water rinse)	401 KAR 59:010
13.	Sand Blasting	401 KAR 59:010
14.	COE Pretreatment	401 KAR 59:010

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. VOC emissions, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.

3. Sourcewide emissions of VOCs shall not exceed 225 tons per rolling 12 month total.
Compliance demonstration method for VOC:
Using the most recently demonstrated destruction efficiency (D) of the oxidizer to which captured emissions have been routed, and the demonstrated capture efficiency (C)**:

$$\text{Emissions} = \left[\sum_{i=1}^{n} M_i \rho_i (1-C_{10}) + (1-D) \sum_{i=1}^{n} M_i \rho_i C_{10} \right]_{\text{EP10, Prime coating}}$$

$$+ \left[\sum_{i=1}^{n} M_i \rho_i (1-C_{11}) + (1-D) \sum_{i=1}^{n} M_i \rho_i C_{11} \right]_{\text{EP11, Base coating}}$$

$$+ \left[\sum_{i=1}^{n} M_i \rho_i (1-C_{12}) + (1-D) \sum_{i=1}^{n} M_i \rho_i C_{12} \right]_{\text{EP12, Clear coating}}$$

$$+ \left[\sum_{i=1}^{n} M_i \rho_i \right]_{\text{Uncontrolled coating}} + \left[0.38R \right]_{\text{injection molding}}$$

Where M = pounds of material, "i " (primer, thinner, etc.) used during the month
ρ = percent by weight of VOC in material, "i "
n = total number of emission points
C&D are expressed as decimals
R = tons of resin used during the month

** Depending upon the method for which the capture efficiencies are determined, the equation above may have a greater or lesser number of factors, corresponding to the number of spray booths for which the capture efficiency must be individually determined.

REQUIREMENTS (CONTINUED)

4. **Recordkeeping:**
The permittee shall keep monthly records showing the amount of each VOC and/or HAP containing material used and a summary of the total amount of VOC, individual HAP, and total HAPs emitted during the month. New, 12 month rolling totals representing the most recent year shall also be calculated and recorded. These records shall show compliance with the synthetic minor, VOC emission limitation listed in this permit.

5. **Reporting:**
The permittee shall submit a **semiannual** report to the Division's Frankfort Field Office which shows the total amount of each VOC and/or HAP containing material used at the source. The report shall contain a monthly summary of VOCs and of each HAP emitted from these materials, as well as a rolling 12 month total for each pollutant. Sample calculations shall be included. The semiannual report may also coincide with semiannual reporting required in **Section F.5**, and the annual compliance certification required in **Section F.9**.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.

8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Other deviations from permit requirements shall be included in the semiannual report required by Section F.6 [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
   e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Frankfort Regional Office
643 Teton Trail, Suite B
Frankfort, KY. 40601

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.

11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS

(a) General Compliance Requirements

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].

2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
   a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
   b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
   c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

   Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].

11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Environmental and Public Protection or any other federal, state, or local agency.

13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].

14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].

15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
    a. Applicable requirements that are included and specifically identified in the permit and
    b. Non-applicable requirements expressly identified in this permit.

17. Pursuant to Section VII 2.(1) of the policy manual of the Division for Air Quality as referenced by 401 KAR 50:016, Section 1.(1), at least one month prior to the date of a required performance test, the permittee shall complete and return a Compliance Test Protocol (Form DEP 6027) to the Division's Frankfort Central Office. Pursuant to 401 KAR 50:045, Section 5, the Division shall be notified of the actual test date at least ten (10) days prior to the test.

(b) Permit Expiration and Reapplication Requirements

1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].

2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

(c) Permit Revisions

1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).

2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, emission point EP7, the addition of a single Injection Molding Machine, in accordance with the terms and conditions of this permit.

1. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

2. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
   a. The date when construction commenced.
   b. The date of start-up of the affected facilities listed in this permit.
   c. The date when the maximum production rate specified in the permit application was achieved.

3. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.

4. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.

5. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements.

6. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(e) Acid Rain Program Requirements

1. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
   a. An emergency occurred and the permittee can identify the cause of the emergency;
   b. The permitted facility was at the time being properly operated;
   c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
   d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
   e. This requirement does not relieve the source of other local, state or federal notification requirements.

2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].

3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

   RMP Reporting Center
   P.O. Box 3346
   Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
   a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
   b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
   c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
   d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
   e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
   f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

Regulation, 40 CFR Part 63, Subpart PPPP—National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

1. For an existing affected source, the compliance date is the date 3 years after April 19, 2004. § 63.4483 (b)

2. For an existing affected source, you must submit the initial notification no later than 1 year after April 19, 2004. § 63.4510 (b)